

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2004/001727

A. CLASSIFICATION OF SUBJECT MATTER**IPC7 F24C 15/20**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 F24C 7/02, F24C15/20, F23M7/00, H05B6/64, H05B6/80, A21B1/22

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean Patent and application for inventions since 1975, Korean Utility Models and application for Utility Models since 1975
Japanese Utility Models and applications for Utility Models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,344,637 B2 (LG ELECTRONIC INC.) 5 FEBRUARY 2002	11, 12, 14
Y	see the whole document	13, 15-17
Y	KR 97-44154 U (LG ELECTRONIC INC.) 31 JULY 1997	15,16
	see the whole document	
Y	US 5,918,589 A (WHIRLPOOL CORP.) 6 JULY 1999	13
	see the whole document	
X	JP 57-201421 U (TOKYO SHIBAURA CORP.) 22 DECEMBER 1982	18, 25
Y	see the whole document	17
A	US 6,114,664 A (AMANA COMPANY) 5 SEPTEMBER 2000	1-29
	see the whole document	
A	US 4,618,756 B (WHIRLPOOL CORP.) 21 OCTOBER 1986	1-29
	see the whole document	

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

28 OCTOBER 2004 (28.10.2004)

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30 OCTOBER 2004 (30.10.2004)

Name and mailing address of the ISA/KR



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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2004/001727

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6,344,637 B2	5 FEB 2002	NONE	
KR 97-44154 U	31 JUL 1997	NONE	
JP 57-201421 U	22 DEC 1982	NONE	
US 5,918,589 A	6 JUL 1999	NONE	
US 6,114,664 A	5 SEP 2000	AU 4845199 A1 WO 200003183 A2	1 FEB 2000 20 JAN 2000
US 4,618,756 B	21 OCT 1986	NONE	